

Infiltration Basin Construction Sequence

If the infiltration basin is to be used as a sediment basin during construction, grading shall be completed to maintain a minimum of 1-foot of cover above the permanent bottom elevation at all times.

A. Initial Construction:

1. Install stabilized construction entrance(s) as needed.
2. Clear and grub for installation of perimeter erosion and sediment controls.
3. Install perimeter controls as shown on the plans.
4. Clear and grub remaining area for infiltration basin construction making sure not to impede within 1-foot of the permanent bottom elevation.
5. Construct basin outlet and outfall as shown on the plans. Dewater foundation as needed in accordance with dewatering practices as shown in the *Standard Specifications*. Install skimmer dewatering device and/or other temporary modifications as shown in the plans.
6. Complete basin excavation to maintain a minimum of 1-foot cover above the permanent bottom elevation. NO EQUIPMENT shall be used within 1-foot or at the permanent bottom elevation. Side slopes, maintenance access road, and forebays shall be constructed as per final design elevation and configuration.
7. All disturbed areas meeting final elevations and grades above the permanent bottom elevation shall be seeded with (to be discussed during plan review(s)).

B. Maintenance of Infiltration Basin:

1. The Contractor shall inspect the basin the next work day following a rain event and make any repairs as needed.
2. Any excess sediment around the outfall area will be removed within two working days and disposed at a location approved by the engineer.

C. Conversion to Permanent Infiltration Basin:

1. Convert the sediment basin after all areas draining to it have attained final stabilization and the Stormwater Engineer has approved the conversion.
2. If there is any standing water in the basin, then a field meeting will need to be conducted with the Engineer and the Stormwater Engineer to ascertain the best approach for completing construction.
3. Remove any excess sediment from the forebay(s). NO EQUIPMENT shall be used within 1-foot or at the permanent bottom elevation. The final 1-foot of material to be excavated shall be started at from one side of the basin and removed going across or started in the middle and worked towards the outsides. The absolute minimum of ingress and egress points shall be utilized as well as these areas will be stabilized within one working day when no longer needed. Other than that necessary to complete the bottom excavation, no disturbance of the side slopes shall be conducted at this time. The completion of the side slopes to the design bottom elevation shall be completed to the best of the Contractor's ability to limit disturbance to the adjacent areas.
4. Post construction infiltration testing shall be performed as per DNREC documentation.
5. All disturbed areas meeting final elevations and grades above the permanent bottom elevation shall be seeded with... (to be discussed during plan review).
6. Basin bottom elevation shall be seeded with... (to be discussed during plan review).